Owner's Manual

Rackmount Power Strips and Isobar® Rackmount Surge Suppressors/ Line-Noise Filters

Designed to Occupy One Standard 19 in. Rack Space

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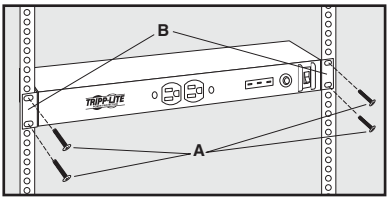
IMPORTANT SAFETY INSTRUCTIONS. This manual contains information concerning the proper installation and use of Tripp Lite's Rackmount Power Strips and Isobar Surge Suppressors. SAVE THESE INSTRUCTIONS.

(IBAR12, IBAR12ULTRA, RS-1215, RS-1215-RA, RS-1215-HG, RS-0615-R, RS-0615-F, DRS-1215): DO NOT exceed the MAXIMUM LOAD of 15 amps that can be drawn from each AC outlet. DO NOT exceed the MAXIMUM LOAD of 15 amps that can be drawn from all the outlets combined.

(IBAR12/20ULTRA, IBAR12-20T, RS-1215-20): DO NOT exceed the MAXIMUM LOAD of 15 amps that can be drawn from each AC outlet located on the front of the IBAR12/20ULTRA and IBAR12-20T. DO NOT exceed the MAXIMUM LOAD of 20 amps that can be drawn from each AC outlet on the RS-1215-20, or each AC outlet located on the rear of the IBAR12/20ULTRA and IBAR12-20T. DO NOT exceed the MAXIMUM LOAD of 20 amps that can be drawn from all the outlets combined.

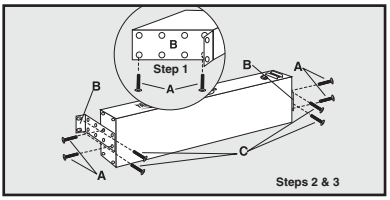
Rackmount Installation

To Mount Unit in Rack: Put four user-supplied rackmount screws (A) through the unit's mounting ears (B) and into the rack rails as shown. The user must determine the fitness of the rackmount screws to hold the unit in the rack before installation.



Wallmount/Under Counter Installation

1. **Detach Mounting Ears:** Unscrew the screws (A) holding the unit's mounting ears (B) to the sides of the unit.
2. **Reorient Mounting Ears:** Use the screws from Step 1 (A) to reattach the mounting ears (B) to the unit as shown. Use only the manufacturer-supplied screws or their equivalent (#6-32, ¼" flat head) to reattach the mounting ears. The screws should be put through diagonally opposite holes on the ear.
3. **Mount Unit on Surface:** Put four user-supplied screws (C) or similar mounting hardware through the unit's mounting ears (B) and into the mounting surface as shown. The user must determine the fitness of the user-supplied mounting hardware to support the unit before mounting.



Features

Circuit Breaker (All Models)

If the current draw of the equipment connected to your model exceeds your model's circuit breaker rating (15 or 20 amps; see Specifications) for longer than a few seconds, the circuit breaker will trip to prevent any possible damage. When the circuit breaker trips, its plunger will be extended. Remove excess equipment and allow the breaker to cool one minute before depressing its plunger to reset the breaker.

Illuminated "On/Off" Switch (All Models)

When your model is plugged into an AC outlet providing power of appropriate voltage and frequency (see specifications), this switch will illuminate RED when moved to the "ON" position. This indicates 120V AC power is present at the model's AC receptacles.

Diagnostic Indicator Lights (IBAR Models Only)

When your surge suppressor is plugged into an AC outlet providing power of appropriate voltage and frequency (see specifications), the three LEDs on the front panel show current power conditions as follows, from left to right across the front of the unit:

Line "OK" (Green LED): Indicates that nominal AC power is present with no wiring faults detected. When this LED is illuminated, AC power is safe for connected equipment.

Line Fault (Red LED): Indicates a wiring fault has been detected. If this LED illuminates at any time the unit is plugged in, the fault should be repaired by a qualified electrician as soon as possible. This LED indicates that phases are reversed, ground is missing or some other sort of wiring error exists in the circuit the IBAR is plugged into. The Line Fault detector circuitry will identify most common wiring faults, but will not necessarily detect every possible type of fault.

If the Line Fault indicator light illuminates, carefully check the AC receptacle the IBAR is plugged into. The receptacle must be tight and securely grounded. A loose AC receptacle may cause the Line Fault LED to illuminate. It must be understood that this Red LED indicates the presence of a wiring fault, but does not indicate the exact nature of the fault. Therefore, a qualified electrician should make necessary repairs.

If the Line Fault indicator light illuminates and power is not present at the outlets, the IBAR's surge-suppression components have been compromised as a result of surge damage. For service, call Tripp Lite Customer Support at (773) 869-1234. Fully explain the perceived problem to the customer support person. They will either remedy the problem over the phone or give you instructions about return, repair or exchange.

Protection Present (Green LED): Indicates the surge-suppression components are intact and providing full protection against spikes and surges. This LED should be lit anytime the IBAR "ON/OFF" switch is turned ON and power is present, as indicated by the lighted power switch. If the Protection Present LED does not light, then some of the surge suppression components are not functioning and the unit should be returned for repair as soon as possible. You may still use the unit; however, connected equipment will be protected from spikes and surges at a lesser level than normal.

ISOLATED FILTER BANKS & CASCADE CIRCUITRY (IBAR12 and IBAR12ULTRA Models Only)

Isolated Filter Banks prevent equipment plugged into each filter bank from interacting with equipment plugged into the other filter bank. Cascade Circuitry provides different levels of protection between the Isolated Filter Banks.

There are two Isolated Filter Banks on IBAR12 and IBAR12ULTRA models. Isolated Filter Bank #2, the white outlets on these models' back, provides the highest level of protection for your most sensitive equipment. Isolated Filter Bank #1, the black outlets on these models' front and back, provides standard protection for your less-sensitive or noise-producing equipment.

Specifications

	IBAR12	IBAR12ULTRA	IBAR12/20ULTRA
AC Energy Absorption (joules):	750	1200	1200
Surge Suppression (amp spikes)*:	60,000	96,000	96,000
UL 1449 Let-Through Rating:	400V	330V	330V
HF Noise Suppression (@ 1 MHz)			
Filter Bank #1:	40 dB	40 dB	80 dB
Filter Bank #2:	80 dB	80 dB	—
AC Receptacles:	2 NEMA 5-15R (front) 10 NEMA 5-15R (back)	2 NEMA 5-15R (front) 10 NEMA 5-15R (back)	2 NEMA 5-15R (front) 10 NEMA 5-15/20R (back)
AC Line Cord:	15', w/NEMA 5-15P plug	15', w/NEMA 5-15P plug	15', w/NEMA 5-20P plug
Circuit Breaker (Resettable):	15 amp	15 amp	20 amp
Dimensions (HxWxD, inches):	1¾ × 17½ × 4	1¾ × 17½ × 4	1¾ × 17½ × 4
Weight (lbs.):	5	5	5.4

	IBAR12-20T	RS-1215	RS-1215-20
AC Energy Absorption (joules):	1200	NONE	NONE
Surge Suppression (amp spikes):	96,000	NONE	NONE
UL 1449 Let-Through Rating:	330V	—	—
HF Noise Suppression (@ 1 MHz)			
Filter Bank #1:	80 dB	NONE	NONE
Filter Bank #2:	—	NONE	NONE
AC Receptacles:	2 NEMA 5-15R (front) 10 NEMA 5-15/20R (back)	6 NEMA 5-15R (front) 6 NEMA 5-15R (back)	6 NEMA 5-20R (front) 6 NEMA 5-20R (back)
AC Line Cord:	15', w/L5-20P plug	15', w/NEMA 5-15P plug	15', w/NEMA 5-20P plug
Circuit Breaker (Resettable):	20 amp	15 amp	20 amp
Dimensions (HxWxD, inches):	1¾ × 17½ × 4	1¾ × 17½ × 4	1¾ × 17½ × 4
Weight (lbs.):	5.4	5	5

	RS-1215-RA	RS-1215-HG	DRS-1215
AC Energy Absorption (joules):	NONE	NONE	450
Surge Suppression (amp spikes):	NONE	NONE	36,000
UL 1449 Let-Through Rating:	—	—	330V
HF Noise Suppression (@ 1 MHz)			
Filter Bank #1:	NONE	NONE	NONE
Filter Bank #2:	NONE	NONE	NONE
AC Receptacles:	6 NEMA 5-15R (front) 6 NEMA 5-15R (back)	6 15A hospital grade (front) 6 15A hospital grade (back)	6 NEMA 5-15R (front) 6 NEMA 5-15R (back)
AC Line Cord:	15', w/NEMA 5-15P plug	15', w/15A hospital grade plug	15', w/NEMA 5-15P plug
Circuit Breaker (Resettable):	15 amp	15 amp	15 amp
Dimensions (HxWxD, inches):	1¾ x 17½ x 4	1¾ x 17½ x 4	1¾ x 17½ x 4
Weight (lbs.):	5	5	5

	RS-0615-R	RS-0615-F
AC Energy Absorption (joules):	NONE	NONE
Surge Suppression (amp spikes):	NONE	NONE
UL 1449 Let-Through Rating:	—	—
HF Noise Suppression (@ 1 MHz)		
Filter Bank #1:	NONE	NONE
Filter Bank #2:	NONE	NONE
AC Receptacles:	6 NEMA 5-15R (back)	6 NEMA 5-15R (front)
AC Line Cord:	15', w/NEMA 5-15P plug	15', w/NEMA 5-15P plug
Circuit Breaker (Resettable):	15 amp	15 amp
Dimensions (HxWxD, inches):	1¾ x 17½ x 4	1¾ x 17½ x 4
Weight (lbs.):	5	5

** Spike protection is provided in all three modes: hot to neutral, hot to ground and neutral to ground.*

All Models: Nominal Input Voltage: 120VAC; Input Frequency: 50/60 Hz

All IBAR Models: Transient Response Time: Instantaneous (0 ns). Transient amplitude reduction occurs faster than the clamp response of the varistors because of the high rejection rate of the ISOBAR filter networks.

UL 1449 (1999 rev.): IBAR12ULTRA, IBAR12/20ULTRA, IBAR12-20T and DRS-1215: 330V let-through (UL's best rating for surge suppression); IBAR12: 400V let-through

UL 1283: All IBAR models, for line-noise filtering

CUL: meets Canadian National Standards as certified by UL

Limited Lifetime Warranty

Seller warrants this product, if used in accordance with all applicable instructions, to be free from original defects in material and workmanship for its lifetime. If the product should prove defective in material or workmanship within that period, Seller will repair or replace the product, in its sole discretion. Service under this Warranty can only be obtained by your delivering or shipping the product (with all shipping or delivery charges prepaid) to: Tripp Lite, 1111 W. 35th Street, Chicago, IL 60609. Seller will pay return shipping charges. Call Tripp Lite at (773) 869-1234 before sending any equipment back for repair.

The warranties of all TRIPP LITE surge suppressors are null and void if they have been connected to the output of any UPS system. The warranties of all TRIPP LITE UPS Systems are null and void if a surge suppressor has been connected to its output receptacles.

THIS WARRANTY DOES NOT APPLY TO NORMAL WEAR OR TO DAMAGE RESULTING FROM ACCIDENT, MISUSE, ABUSE OR NEGLECT. SELLER MAKES NO EXPRESS WARRANTIES OTHER THAN THE WARRANTY EXPRESSLY SET FORTH HEREIN. EXCEPT TO THE EXTEND PROHIBITED BY APPLICABLE LAW, ALL IMPLIED WARRANTIES, INCLUDING ALL WARRANTIES OF MERCHANTABILITY OR FITNESS, ARE LIMITED IN DURATION TO THE WARRANTY PERIOD SET FORTH ABOVE; AND THIS WARRANTY EXPRESSLY EXCLUDES ALL INCIDENTAL AND CONSEQUENTIAL DAMAGES. (Some states do not allow limitations on how long an implied warranty lasts, and some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights, and you may have other rights which vary from jurisdiction to jurisdiction).

WARNING: The individual user should take care to determine prior to use whether this device is suitable, adequate or safe for the use intended. Since individual applications are subject to great variation, the manufacturer makes no representation or warranty as to the suitability or fitness of these devices for any specific application.

Policy of Tripp Lite is one of continuous improvement. Specifications are subject to change without notice.

Ultimate Lifetime Insurance Policy

(Applicable Only to IBAR Models. Valid in U.S. and Canada Only)

TRIPP LITE warrants, for the lifetime of the product, (at TRIPP LITE'S option) to repair or replace (on a pro rata basis) directly connected equipment, that is damaged due to power transients while properly connected to TRIPP LITE products offering the ULTIMATE® Insurance Policy. Reimbursement or restoration for data loss is not included. Power transients include spikes and surges on the AC power, data, or telephone lines that the TRIPP LITE products have been designed to protect against (as recognized by industry standards).

AC Power Line Transients: To claim damages the TRIPP LITE product must be plugged into a properly wired and grounded outlet. No extension cords, or other electrical connections may be used. The installation must comply with all applicable electrical and safety codes set forth by the National Electrical Code (NEC). Except as provided above, this warranty does not cover any damage to properly connected electronic equipment resulting from a cause other than an "AC power transient". If user meets all of the above requirements, TRIPP LITE will repair or replace (at TRIPP LITE'S option) equipment up to the specified value (See ULTIMATE® Insurance Policy Limits). No coverage is allowed for damage entering from telephone or data lines, unless they are separately protected as described below.

Reimbursement dollar limits will be equal to that of the Tripp Lite power protection protector. Coverage is excluded where a suitable environment for the protection device is not provided, including, but not limited to, lack of a proper safety ground. Telephone service equipment must also include a properly installed and operating "primary protection" device at the telephone service entrance (such devices are normally added during telephone-line installation).

All above warranties are null and void if the TRIPP LITE product has been improperly installed, tampered with or altered in any way, or if the connected equipment was not used under normal operating conditions or in accordance with any labels or instructions. All claims under this warranty must be submitted in writing to Tripp Lite within 30 days of the occurrence or the claim will not be considered. This warranty does not include damage resulting from accident or misuse, and applies to the domestic (USA & Canada) use of these products only.

Tripp Lite reserves the right to determine whether the damage to the connected equipment is due to malfunction of the Tripp Lite product by requesting the equipment in question be sent to Tripp Lite for examination. This policy is above and beyond, only to the extent needed, of that provided by any coverage of connected equipment provided by other sources, including, but not limited to, any manufacturer's warranty and/or any extended warranties.

EXCEPT AS PROVIDED ABOVE, TRIPP LITE MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Some states do not permit limitation or exclusion of implied warranties; therefore, the aforesaid limitation(s) or exclusion(s) may not apply to purchaser.

EXCEPT AS PROVIDED ABOVE, IN NO EVENT WILL TRIPP LITE BE LIABLE FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF THIS PRODUCT, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Specifically, TRIPP LITE is not liable for any costs, such as lost profits or revenue, loss of equipment, loss of use of equipment, loss of software, loss of data, costs of substitutes, claims by third parties, or otherwise.

To receive service under this warranty, you must be the original purchaser/user of the product in question. You must obtain a Returned Material Authorization (RMA) number from TRIPP LITE. Products must be returned to TRIPP LITE with transportation charges prepaid and must be accompanied by a brief description of the problem encountered and proof of date and place of purchase.

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